According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Int. Cl' H04B10/00-10/18, H04J14/00-14/08 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1992-1996 Jitsuyo Shinan Toroku Koho 1996-2003 Kokai Jitsuyo Shinan Koho 1994-2003 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. 1-6 A JP 2000-356760 A (KDD Kabushiki Kaisha), 1-6 Full text; all drawings (Family: none) A JP 2001-136125 A (Mitsubishi Electric Corp.), 1-6 18 May, 2001 (18.05.01), Full text; all drawings a EP 1100217 A A JP 2002-16548 A (Mitsubishi Electric Corp.), 1-6 A JP 2002-16548 A (Mitsubishi Electric Corp.), 1-6 Full text; all drawings (Family: none) Full text; all drawings (Family: none) A JP 2002-16548 A (Mitsubishi Electric Corp.), 1-6 Full text; all drawings (Family: none) Considered to be of particular relevance of the same place of the same pla	A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ H04B10/18				
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Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. A JP 2000-356760 A (KDD Kabushiki Kaisha), 1-6 26 December, 2000 (26.12.00), Full text; all drawings (Family: none) A JP 2001-136125 A (Mitsubishi Electric Corp.), 1-6 18 May, 2001 (18.05.01), Full text; all drawings & EP 1100217 A A JP 2002-16548 A (Mitsubishi Electric Corp.), 1-6 18 January, 2002 (18.01.02), Full text; all drawings (Family: none) Further documents are listed in the continuation of Box C. * Special categories of cited documents: document defining the general state of the an which is not considered to be of particular relevance; to cartier document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (es specified) "O" document which may throw doubts on anol disclosure, use, exhibition or other document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search 27 October, 2003 (27.10.03) Name and mailing address of the ISAV Authorized officer Relevant to claim No. 1-6 See patent family annex. See patent family annex. """ "" "" "" "" "" "" "" ""	Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
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Name and mailing address of the ISA/ Japanese Patent Office Authorized office	"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search "E" and not in conflict with the application but cited to understand the priority date and not in conflict with the application but cited to understand the priority date and not in conflict with the application but cited to understand the priority date and not in conflict with the application but cited to understand the priority date and not in conflict with the application but cited to understand the priority date and not in conflict with the application but cited to understand the priority date and not in conflict with the application but cited to understand the priority date and not in conflict with the application but cited to understand the priority date and not in conflict with the application but cited to understand the priority date and not in conflict with the application but cited to understand the priority date and not in conflict with the application but cited to understand the priority date and not in conflict with the application but cited to understand the priority date and not in conflict with the application but cited to understand the priority date and not in conflict with the application bet claimed understand the priority date and not in conflict with the application bet claimed invention cannot considered novel or cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot considered to involve an			he application but cited to lerlying the invention claimed invention cannot be used to involve an inventive claimed invention cannot be p when the document is a documents, such a skilled in the art family	
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Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)				
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1. Claims Nos.:				
because they relate to subject matter not required to be searched by this Authority, namely:				
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:				
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows: Claims 1-6 are directed to a polarization mode dispersion compensator characterized in that a polarization controller is feedback-controlled so that the intensity of a linearly polarized light is minimized. Claims 7, 8 are directed to a polarization mode dispersion compensator characterized in that the compensator has a PMD imparting unit and a polarization controller is feedback-controlled on the basis of the sate of an optical signal so that the primary and secondary PMDs are compensated. Claims 9-16 are directed to a polarization mode dispersion compensator (Continued to extra sheet.)				
As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.				
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.				
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:				
4. X No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-6				
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.				



Internat application No. P. JP03/09803

Continuation of Box No. II of continuation of first sheet (1)

having two PMD imparting units, i.e., a primary PMD imparting unit and a secondary PMD imparting unit and the primary and the secondary PMDs are compensated by the PMD imparting units, respectively.

Form PCT/ISA/210 (extra sheet) (July 1998)